

| Rating (kVA)          | 400   | 500           | 600           | 800           |
|-----------------------|---|---------------|---------------|---------------|
| Nominal power (kW)    | 360   | 450           | 540           | 720           |
| Dimensions WxHxD (mm) | 1990x1920x990                                 | 2440x2020x990 | 2440x2020x990 | 3640x1920x990 |
| UPS weight (kg)       | 1820  | 2220          | 2400          | 3600          |
| Battery configuration | External, 300÷312 cells, VRLA (other options) |               |               |               |

**Input**

|                           |  |
|---------------------------|--|
| Connection type           | Hardwired 3w (rectifier), 4w (bypass)  |
| Nominal voltage           | 380/400/415 Vac 3-phase (rectifier)<br>380/400/415 Vac 3-phase with neutral (bypass) |
| Voltage tolerance         | -20%, +15%   |
| Frequency and range       | 50/60 Hz (45÷65 Hz)  |
| Power factor              | 0.99   |
| Current distortion (THDi) | <3%  |

**Output**

|                                      |   |
|--------------------------------------|---|
| Connection type                      | Hardwired 4w  |
| Nominal voltage                      | 380/400/415 Vac 3-phase with neutral  |
| Frequency                            | 50/60 Hz  |
| Voltage regulation                   | ±1% static; dynamic: IEC EN 62040-3 Class 1   |
| Power factor                         | up to 0.9, lagging or leading without power derating  |
| Overload capacity                    | Inverter: 101÷125% for 10 min, 126÷150% for 1 min, 151÷199% for 10 s;<br>bypass: 150% continuous, 1000% for 1 cycle |
| Efficiency (AC/AC)*                  | up to 98%   |
| Classification as per IEC EN 62040-3 | VFI-SS-111  |

**Connectivity and function extensions**

|                              |  |
|------------------------------|--|
| Front panel                  | Graphical LCD display, mimic with LED and keyboard   |
| Remote communication         | Serial RS232 and USB; input terminal block for: remote emergency power off (REPO), battery circuit breaker aux. cont., external maintenance bypass circuit breaker aux. cont., diesel mode aux. cont.;<br>optional:<br>SNMP adapter (Ethernet), Web interface (Ethernet), ModBus-TCP/IP (Ethernet); ModBus-RTU (RS485);<br>ModBus-RTU to PROFIBUS DP adapter; SPDT contact relay board; remote system monitoring panel;<br>UPS managing and server shutdown software |
| Optional function extensions | Isolation transformer; transformers/autotransformers for voltage adjustment; maintenance bypass in extended cabinet or wall-mounted box; custom battery cabinets; wall-mounted battery fuse switch box; battery thermal probe; parallel kit for load sharing; load synch box; top cable entry  |

**System**

|                     |  |
|---------------------|--|
| Protection degree   | IP 20 (other options)                                    |
| Colour              | RAL 9005 (other options)                                 |
| Installation layout | Wall, back to back and side by side installation allowed |
| Accessibility       | Front and top access, bottom cable entry                 |

\*certified by TÜV NORD according to IEC EN 62040-3

**Other features****Environmental**

|                             |                 |
|-----------------------------|-----------------|
| Operating temperature range | 0 °C ÷ +40 °C   |
| Storage temperature range   | -10 °C ÷ +70 °C |
| Altitude                    | <1000 m         |
| Audible noise at 1m (dBA)   | <62             |

**Standards and certifications**

|   |  |
|---|--|
| Quality assurance, environment, health and safety | ISO 9001:2008, ISO 14001:2004, GOST, BS OHSAS 18001:2007 |
| Safety  | IEC EN 62040-1   |
| EMC   | IEC EN 62040-2   |
| Test and performance                              | IEC EN 62040-3 (VFI-SS-111)                              |
| Protection degree                                 | IEC 60529  |
| Marking   | CE   |